WHAT IS CLAIMED IS:

1	1. A method comprising:
2	advancing a member into a nucleus pulposus of an intervertebral disc by blunt
3	dissection, the nucleus pulposus having a volume, and

- applying radiofrequency energy from the member to decrease the volume of the nucleus pulposus.
- 1 2. The method of claim 1 wherein applying radiofrequency energy removes 2 material of the nucleus pulposus.
- 1 3. The method of claim 1 wherein applying radiofrequency energy removes water of the nucleus pulposus.
- 1 4. The method of claim 1 wherein applying radiofrequency energy removes disc 2 tissue of the nucleus pulposus.
- 1 5. The method of claim 2 or 3 wherein applying radiofrequency energy removes 2 disc tissue of the nucleus pulposus.
- 1 6. The method of claim 1, 2, 3, or 4 wherein applying radiofrequency energy 2 from the member to decrease the volume of the nucleus pulposus reduces pressure in the 3 intervertebral disc.
- 7. The method of claim 1, 2, 3, or 4 wherein applying radiofrequency energy to decrease the volume of the nucleus pulposus comprises ablating material of the nucleus pulposus.
- 1 8. The method of claim 1, 2, 3, or 4 further comprising denervating at least a 2 portion of the intervertebral disc with the applied radiofrequency energy.

- 1 9. The method of claim 1, 2, 3, or 4 wherein advancing the member comprises 2 advancing the member through an introducer.
- 1 10. The method of claim 1, 2, 3, or 4 wherein advancing the member comprises 2 advancing the member beyond a central region of the nucleus pulposus.
- 1 11. The method of claim 1, 2, 3, or 4 wherein applying radiofrequency energy comprises applying radiofrequency energy from an electrode of the member.
- 1 12. The method of claim 11 further comprising advancing the electrode beyond an introducer.
- 1 13. The method of claim 11 further comprising providing the member with a 2 bipolar electrode configuration.
- 1 14. The method of claim 1 further comprises applying rotation to a proximal region of the member to rotate a distal region of the member within the nucleus pulposus.
- 1 15. The method of claim 1 or 14 further comprising positioning a portion of the member at an inner wall of an annulus fibrosus of the intervertebral disc.
- 1 16. The method of claim 1 or 14 wherein advancing the member comprises advancing the member along a curved path.
- 1 17. The method of claim 1 further comprising providing the member with a total length between 5 and 24 inches.
- 1 18. The method of claim 1 further comprising providing the member in the form of a catheter.
- 1 19. The method of claim 1, 2, 3, or 4 wherein applying radiofrequency energy comprises applying radiofrequency energy to an inner wall of an annulus fibrosus.

- 1 20. The method of claim 1, 2, 3, or 4 wherein applying radiofrequency energy 2 comprises applying radiofrequency energy while the member is positioned at a location 3 adjacent an inner wall of an annulus fibrosus.
- 1 21. The method of claim 1, 2, 3, or 4 wherein applying radiofrequency energy comprises applying radiofrequency energy to multiple locations in the intervertebral disc.
- 1 22. The method of claim 21 wherein applying radiofrequency energy to multiple locations comprises applying radiofrequency energy to the multiple locations simultaneously.
- 1 23. The method of claim 21 wherein applying radiofrequency energy to multiple 2 locations comprises applying radiofrequency energy to the multiple locations using separate 3 energy delivery elements of the member.
- 1 24. The method of claim 21 wherein applying radiofrequency energy to multiple locations comprises applying radiofrequency energy to the multiple locations serially.
- 1 25. The method of claim 21 wherein applying radiofrequency energy to multiple 2 locations comprises applying radiofrequency energy to the multiple locations using a single 3 energy delivery element of the member.
- 1 26. The method of claim 1, 2, 3, or 4 further comprising advancing the member 2 along an inner wall of an annulus fibrosus.
 - 27. A method comprising:

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- 2 advancing a member through a nucleus pulposus of an intervertebral disc beyond a 3 central region of the nucleus pulposus, the nucleus pulposus having a volume, and
- 4 applying radiofrequency energy from the member to decrease the volume of the nucleus pulposus.

- 1 28. The method of claim 27 wherein applying radiofrequency energy removes 2 material of the nucleus pulposus.
- 1 29. The method of claim 27 wherein applying radiofrequency energy removes 2 water of the nucleus pulposus.
- 1 30. The method of claim 27 wherein applying radiofrequency energy removes 2 disc tissue of the nucleus pulposus.
- 1 31. The method of claim 28 or 29 wherein applying radiofrequency energy removes disc tissue of the nucleus pulposus.
- 1 32. The method of claim 27, 28, 29, or 30 wherein applying radiofrequency 2 energy from the member to decrease the volume of the nucleus pulposus reduces pressure in 3 the intervertebral disc.
- 1 33. The method of claim 27, 28, 29, or 30 wherein applying radiofrequency 2 energy to decrease the volume of the nucleus pulposus comprises ablating material of the 3 nucleus pulposus.
- 1 34. The method of claim 27, 28, 29, or 30 further comprising denervating at least 2 a portion of the intervertebral disc with the applied radiofrequency energy.
- 1 35. The method of claim 27, 28, 29, or 30 wherein advancing the member comprises advancing the member through an introducer.
- 1 36. The method of claim 27, 28, 29, or 30 wherein applying radiofrequency energy comprises applying radiofrequency energy from an electrode of the member.
- 1 37. The method of claim 36 further comprising advancing the electrode beyond an introducer.

1 38. The method of claim 36 further comprising providing the member with a 2 bipolar electrode configuration.

- 1 39. The method of claim 27 further comprising applying rotation to a proximal region of the member to rotate a distal region of the member within the nucleus pulposus.
- 1 40. The method of claim 27 or 39 further comprising positioning a portion of the member at an inner wall of an annulus fibrosus of the intervertebral disc.
- 1 41. The method of claim 27 or 39 wherein advancing the member comprises 2 advancing the member along a curved path.
- 1 42. The method of claim 27 further comprising providing the member with a total length between 5 and 24 inches.
- 1 43. The method of claim 27 further comprising providing the member in the form 2 of a catheter.
- 1 44. The method of claim 27, 28, 29, or 30 wherein applying radiofrequency energy comprises applying radiofrequency energy to an inner wall of an annulus fibrosus.
- 1 45. The method of claim 27, 28, 29, or 30 wherein applying radiofrequency 2 energy comprises applying radiofrequency energy while the member is positioned at a 3 location adjacent an inner wall of an annulus fibrosus.
- 1 46. The method of claim 27, 28, 29, or 30 wherein applying radiofrequency 2 energy comprises applying radiofrequency energy to multiple locations in the intervertebral 3 disc.
- 1 47. The method of claim 46 wherein applying radiofrequency energy to multiple locations comprises applying radiofrequency energy to the multiple locations simultaneously.

- 1 48. The method of claim 46 wherein applying radiofrequency energy to multiple 2 locations comprises applying radiofrequency energy to the multiple locations using separate 3 energy delivery elements of the member.
- 1 49. The method of claim 46 wherein applying radiofrequency energy to multiple locations comprises applying radiofrequency energy to the multiple locations serially.
- The method of claim 46 wherein applying radiofrequency energy to multiple locations comprises applying radiofrequency energy to the multiple locations using a single energy delivery element of the member.
- 1 51. The method of claim 27, 28, 29, or 30 further comprising advancing the member along an inner wall of an annulus fibrosus.
- 1 52. A method comprising:
- advancing a radiofrequency electrode into a nucleus pulposus of an intervertebral disc by blunt dissection, the nucleus pulposus having a volume, and
- activating the electrode to decrease the volume of the nucleus pulposus.
- 1 53. The method of claim 52 wherein activating the electrode to decrease the volume of the nucleus pulposus reduces pressure in the intervertebral disc.
- 1 54. The method of claim 52 or 53 wherein activating the electrode to decrease the volume of the nucleus pulposus comprises ablating material of the nucleus pulposus.
- 1 55. The method of claim 52 or 53 wherein advancing the electrode comprises 2 advancing the electrode beyond a central region of the nucleus pulposus.
- 1 56. The method of claim 52 wherein advancing the electrode further comprises 2 advancing a bipolar electrode configuration.

- The method of claim 52 or 56 further comprising positioning the electrode at an inner wall of an annulus fibrosus of the intervertebral disc.
- 1 58. The method of claim 52 or 56 wherein advancing the electrode comprises advancing the electrode along a curved path.
- 1 59. The method of claim 52 or 53 wherein activating the electrode comprises 2 activating the electrode while the electrode is positioned at a location adjacent an inner wall 3 of an annulus fibrosus.
- 1 60. The method of claim 52 or 53 wherein activating the electrode comprises 2 delivering radiofrequency energy from the electrode to multiple locations in the 3 intervertebral disc.
- 1 61. The method of claim 60 wherein delivering radiofrequency energy to multiple locations comprises delivering radiofrequency energy from the electrode to the multiple locations simultaneously.
- 1 62. The method of claim 60 wherein delivering radiofrequency energy to multiple 2 locations comprises delivering radiofrequency energy from the electrode to the multiple 3 locations serially.
- 1 63. The method of claim 52 or 53 further comprising advancing the electrode along an inner wall of an annulus fibrosus.
- 1 64. A method comprising:

and

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- advancing a radiofrequency electrode through a nucleus pulposus of an intervertebral disc beyond a central region of the nucleus pulposus, the nucleus pulposus having a volume,
- 5 activating the electrode to decrease the volume of the nucleus pulposus.

1 65. The method of claim 64 wherein activating the electrode to decrease the volume of the nucleus pulposus reduces pressure in the intervertebral disc.

- 1 66. The method of claim 64 or 65 wherein activating the electrode to decrease the volume of the nucleus pulposus comprises ablating material of the nucleus pulposus.
- 1 67. The method of claim 64 wherein advancing the electrode further comprises 2 advancing a bipolar electrode configuration.
- 1 68. The method of claim 64 or 67 further comprising positioning the electrode at 2 an inner wall of an annulus fibrosus of the intervertebral disc.
- 1 69. The method of claim 64 or 67 wherein advancing the electrode comprises advancing the electrode along a curved path.
- 1 70. The method of claim 64 or 65 wherein activating the electrode comprises 2 activating the electrode while the electrode is positioned at a location adjacent an inner wall 3 of an annulus fibrosus.
- 1 71. The method of claim 64 or 65 wherein activating the electrode comprises 2 delivering radiofrequency energy from the electrode to multiple locations in the 3 intervertebral disc.
- The method of claim 71 wherein delivering radiofrequency energy to multiple locations comprises delivering radiofrequency energy from the electrode to the multiple locations simultaneously.
- The method of claim 71 wherein delivering radiofrequency energy to multiple locations comprises delivering radiofrequency energy from the electrode to the multiple locations serially.

- The method of claim 64 or 65 further comprising advancing the electrode along an inner wall of an annulus fibrosus.
- 1 75. A method comprising:
- 2 advancing a member into a nucleus pulposus of an intervertebral disc by blunt 3 dissection, and
- applying radiofrequency energy from the member to remove material of the nucleus
 pulposus.
- The method of claim 75 wherein applying radiofrequency energy removes water of the nucleus pulposus.
- 1 77. The method of claim 75 wherein applying radiofrequency energy removes 2 disc tissue of the nucleus pulposus.
- 1 78. The method of claim 76 wherein applying radiofrequency energy removes 2 disc tissue of the nucleus pulposus.
- The method of claim 75, 76, 77, or 78 wherein applying radiofrequency energy from the member to remove material of the nucleus pulposus reduces pressure in the intervertebral disc.
- 1 80. The method of claim 75, 76, 77, or 78 wherein applying radiofrequency 2 energy from the member to remove material of the nucleus pulposus comprises ablating 3 material of the nucleus pulposus.
- 1 81. The method of claim 75, 76, 77, or 78 further comprising denervating at least 2 a portion of the intervertebral disc with the applied radiofrequency energy.
- 1 82. The method of claim 75, 76, 77, or 78 wherein advancing the member comprises advancing the member through an introducer.

- 1 83. The method of claim 75, 76, 77, or 78 wherein advancing the member 2 comprises advancing the member beyond a central region of the nucleus pulposus.
- 1 84. The method of claim 75, 76, 77, or 78 wherein applying radiofrequency energy comprises applying radiofrequency energy from an electrode of the member.
- 1 85. The method of claim 84 further comprising advancing the electrode beyond an introducer.
- 1 86. The method of claim 84 further comprising providing the member with a 2 bipolar electrode configuration.
- 1 87. The method of claim 75 further comprising applying rotation to a proximal region of the member to rotate a distal region of the member within the nucleus pulposus.
- 1 88. The method of claim 75 or 87 further comprising positioning a portion of the member at an inner wall of an annulus fibrosus of the intervertebral disc.
- 1 89. The method of claim 75 or 87 wherein advancing the member 2 comprises advancing the member along a curved path.
- 1 90. The method of claim 75 further comprising providing the member with a total length between 5 and 24 inches.
- 1 91. The method of claim 75 further comprising providing the member in the form of a catheter.
- 1 92. The method of claim 75, 76, 77, or 78 wherein applying radiofrequency energy comprises applying radiofrequency energy to an inner wall of an annulus fibrosus.

- 1 93. The method of claim 75, 76, 77, or 78 wherein applying radiofrequency
- 2 energy comprises applying radiofrequency energy while the member is positioned at a
- 3 location adjacent an inner wall of an annulus fibrosus.
- 1 94. The method of claim 75, 76, 77, or 78 wherein applying radiofrequency
- 2 energy comprises applying radiofrequency energy to multiple locations in the intervertebral
- 3 disc.
- 1 95. The method of claim 94 wherein applying radiofrequency energy to multiple
- 2 locations comprises applying radiofrequency energy to the multiple locations simultaneously.
- 1 96. The method of claim 94 wherein applying radiofrequency energy to multiple
- 2 locations comprises applying radiofrequency energy to the multiple locations using separate
- 3 energy delivery elements of the member.
- 1 97. The method of claim 94 wherein applying radiofrequency energy to multiple
- 2 locations comprises applying radiofrequency energy to the multiple locations serially.
- The method of claim 94 wherein applying radiofrequency energy to multiple
- 2 locations comprises applying radiofrequency energy to the multiple locations using a single
- 3 energy delivery element of the member.
- The method of claim 75, 76, 77, or 78 further comprising advancing the
- 2 member along an inner wall of an annulus fibrosus.
- 1 100. A method comprising:
- advancing a member through a nucleus pulposus of an intervertebral disc beyond a
- 3 central region of the nucleus pulposus, and
- 4 applying radiofrequency energy from the member to remove material of the nucleus
- 5 pulposus.

- 1 101. The method of claim 100 wherein applying radiofrequency energy removes 2 water of the nucleus pulposus.
- 1 102. The method of claim 100 wherein applying radiofrequency energy removes 2 disc tissue of the nucleus pulposus.
- 1 103. The method of claim 101 wherein applying radiofrequency energy removes 2 disc tissue of the nucleus pulposus.
- 1 104. The method of claim 100, 101, 102, or 103 wherein applying radiofrequency 2 energy from the member to remove material of the nucleus pulposus reduces pressure in the 3 intervertebral disc.
- 1 105. The method of claim 100, 101, 102, or 103 wherein applying radiofrequency 2 energy from the member to remove material of the nucleus pulposus comprises ablating 3 material of the nucleus pulposus.
- 1 106. The method of claim 100, 101, 102, or 103 further comprising denervating at least a portion of the intervertebral disc with the applied radiofrequency energy.
- 1 107. The method of claim 100, 101, 102, or 103 wherein advancing the member comprises advancing the member through an introducer.
- 1 108. The method of claim 100, 101, 102, or 103 wherein applying radiofrequency energy comprises applying radiofrequency energy from an electrode of the member.
- 1 109. The method of claim 108 further comprising advancing the electrode beyond 2 an introducer.
- 1 110. The method of claim 108 further comprising providing the member with a 2 bipolar electrode configuration.

- 1 111. The method of claim 100 further comprises applying rotation to a proximal region of the member to rotate a distal region of the member within the nucleus pulposus.
- 1 112. The method of claim 100 or 111 further comprising positioning a portion of the member at an inner wall of an annulus fibrosus of the intervertebral disc.
- 1 113. The method of claim 100 or 111 wherein advancing the member comprises 2 advancing the member along a curved path.
- 1 114. The method of claim 100 further comprising providing the member with a 2 total length between 5 and 24 inches.
- 1 115. The method of claim 100 further comprising providing the member in the form of a catheter.
- 1 116. The method of claim 100, 101, 102, or 103 wherein applying radiofrequency energy comprises applying radiofrequency energy to an inner wall of an annulus fibrosus.
- 1 17. The method of claim 100, 101, 102, or 103 wherein applying radiofrequency energy comprises applying radiofrequency energy while the member is positioned at a location adjacent an inner wall of an annulus fibrosus.
- 1 118. The method of claim 100, 101, 102, or 103 wherein applying radiofrequency energy comprises applying radiofrequency energy to multiple locations in the intervertebral disc.
- 1 119. The method of claim 118 wherein applying radiofrequency energy to multiple locations comprises applying radiofrequency energy to the multiple locations simultaneously.
- 1 120. The method of claim 118 wherein applying radiofrequency energy to multiple 2 locations comprises applying radiofrequency energy to the multiple locations using separate 3 energy delivery elements of the member.

- 1 121. The method of claim 118 wherein applying radiofrequency energy to multiple locations comprises applying radiofrequency energy to the multiple locations serially.
- 1 122. The method of claim 118 wherein applying radiofrequency energy to multiple locations comprises applying radiofrequency energy to the multiple locations using a single
- 3 energy delivery element of the member.
- 1 123. The method of claim 100, 101, 102, or 103 further comprising advancing the member along an inner wall of an annulus fibrosus.
- 1 124. A method comprising:
- advancing a radiofrequency electrode into a nucleus pulposus of an intervertebral disc
- 3 by blunt dissection, and
- 4 activating the electrode to remove material of the nucleus pulposus.
- 1 125. The method of claim 124 wherein activating the electrode to remove material of the nucleus pulposus reduces pressure in the intervertebral disc.
- 1 126. The method of claim 124 or 125 wherein activating the electrode to remove 2 material of the nucleus pulposus comprises ablating material of the nucleus pulposus.
- 1 127. The method of claim 124 or 125 wherein advancing the electrode comprises 2 advancing the electrode beyond a central region of the nucleus pulposus.
- 1 128. The method of claim 124 wherein advancing the electrode further comprises 2 advancing a bipolar electrode configuration.
- 1 129. The method of claim 124 or 128 further comprising positioning the electrode 2 at an inner wall of an annulus fibrosus of the intervertebral disc.

- 1 130. The method of claim 124 or 128 wherein advancing the electrode comprises advancing the electrode along a curved path.
- 1 131. The method of claim 124 or 125 wherein activating the electrode comprises 2 activating the electrode while the electrode is positioned at a location adjacent an inner wall 3 of an annulus fibrosus.
- 1 132. The method of claim 124 or 125 wherein activating the electrode comprises 2 delivering radiofrequency energy from the electrode to multiple locations in the 3 intervertebral disc.
- 1 133. The method of claim 132 wherein delivering radiofrequency energy to 2 multiple locations comprises delivering radiofrequency energy from the electrode to the 3 multiple locations simultaneously.
- 1 134. The method of claim 132 wherein delivering radiofrequency energy to 2 multiple locations comprises delivering radiofrequency energy from the electrode to the 3 multiple locations serially.
- 1 135. The method of claim 124 or 125 further comprising advancing the electrode along an inner wall of an annulus fibrosus.
- 1 136. A method comprising:
- 2 advancing a radiofrequency electrode through a nucleus pulposus of an intervertebral 3 disc beyond a central region of the nucleus pulposus, and
- activating the electrode to remove material of the nucleus pulposus.
- 1 137. The method of claim 136 wherein activating the electrode to remove material of the nucleus pulposus reduces pressure in the intervertebral disc.
- 1 138. The method of claim 136 or 137 wherein activating the electrode to remove 2 material of the nucleus pulposus comprises ablating material of the nucleus pulposus.

- 1 139. The method of claim 136 wherein advancing the electrode further comprises 2 advancing a bipolar electrode configuration.
- 1 140. The method of claim 136 or 139 further comprising positioning the electrode 2 at an inner wall of an annulus fibrosus of the intervertebral disc.
- 1 141. The method of claim 136 or 139 wherein advancing the electrode comprises advancing the electrode along a curved path.
- 1 142. The method of claim 136 or 137 wherein activating the electrode comprises 2 activating the electrode while the electrode is positioned at a location adjacent an inner wall 3 of an annulus fibrosus.
- 1 143. The method of claim 136 or 137 wherein activating the electrode comprises 2 delivering radiofrequency energy from the electrode to multiple locations in the 3 intervertebral disc.
- 1 144. The method of claim 143 wherein delivering radiofrequency energy to 2 multiple locations comprises delivering radiofrequency energy from the electrode to the 3 multiple locations simultaneously.
- 1 145. The method of claim 143 wherein delivering radiofrequency energy to 2 multiple locations comprises delivering radiofrequency energy from the electrode to the 3 multiple locations serially.
- 1 146. The method of claim 136 or 137 further comprising advancing the electrode 2 along an inner wall of an annulus fibrosus.
- 1 147. The method of claim 1 wherein advancing the member into the nucleus 2 pulposus comprises conforming the member sufficiently to an inner wall of an annulus 3 fibrosus to contact multiple locations on the inner wall.